



## SPECIFICATION AMENDMENTS

Please insert the following after paragraph [0004].

### BRIEF SUMMARY OF THE INVENTION

Instead of using the conventional high-conductivity particles in obtaining a lossy dielectric, this invention uses particles of moderate conductivity such as semiconductor particles and polymer particles which have conductivities less than about 50 S/m. The loss factor for a composite dielectric that incorporates such moderate-conductivity particles has a peak value at a frequency in the microwave region. As a result, such a composite dielectric is much more dissipative in the microwave region than a conventional one implemented with highly-conductive particles.